

# Method and apparatus for separating liquid mixtures using ultrafiltration

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AB H2O-oil emulsions, esp. cutting fluids, are sepd. by being passed through a gravity flotation separator, which removes most of the oil. The remaining **mixt.** is pressurized with **air** to .apprx.5 bar, expanded to .apprx.2 bar, and pumped through an ultrafilter which seps. pure H2O as filtrate. The expanding air keeps the **membranes** of the ultrafilter **clean**. A part of the H2O-oil mixt. from the ultrafilter is recirculated to the gravity separator to assist in flotation sepn.